

## ABSTRACT

Improved techniques for calculating decision parameters in an IMT-2000 system, the IMT-2000 system having a mini-slot selection unit for selecting a mini-slot position wherein a decision parameter is selected and a decision parameter selection unit for selecting one decision parameter from the calculated decision parameters, is disclosed. In an apparatus for calculating decision parameters, there is provided a correlation value calculation unit having a number of correlation value calculators, each of which calculates a correlation value between selected information that is selected at the mini-slot selection unit and one of capable input signals. In order to selectively operate the correlation value calculators, there is provided a correlation circuit control unit controlling the operation of each of the correlation value calculators by using each of the comparison between the received correlation value to a predetermined threshold value; and a ranking determination unit receiving and ranking the correlation values and selectively operating the correlation value calculators according to the rank of the correlation values. Accordingly, the power consumption of the correlation value calculators is reduced. And, the decision parameter is selected from the decision parameters previously selected during the divided monitoring section, thereby enabling high-speed cell search.